

**WHAT IS CLAIMED IS:**

- 1 1. A cored wire for introducing additives into a molten metal bath comprising a wire  
2 core (6) having a metallic sheath (5) thereon containing an additive, and a wrapping  
3 (7) around said sheath, said wrapping (6) being combustible without leaving harmful  
4 residues, said wrapping adapted to momentarily retard propagation of heat to the wire  
5 core (6) when introduced into the molten metal bath.
- 1 2. The cored wire according to claim 1, wherein wrapping (7) comprises at least one  
2 layer (7A) of paper wound around the metallic sheath (5).
- 1 3. The cored wire according to claim 2, wherein the paper (7A) is a paper for  
2 pyrotechnic applications.
- 1 4. The cored wire according to claim 2, wherein the at least one layer comprises at  
2 least one helical winding of a strip of paper.
- 1 5. The cored wire according to claim 4, wherein the at least one helical winding is  
2 arranged in more than one layer.
- 1 6. The cored wire according to claim 4, wherein the at least one layer has a coating of  
2 varnish to provide fixation of the layers.
- 1 7. The cored wire according to claim 4, wherein the width of the strip is between five  
2 and forty centimeters.
- 1 8. The cored wire according to claim 2, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the  
3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).
- 1 9. The cored wire according to claim 3, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the

3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).

1 10. The cored wire according to claim 4, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the  
3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).

1 11. The cored wire according to claim 5, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the  
3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).

1 12. The cored wire according to claim 6, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the  
3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).

1 13. The cored wire according to claim 7, wherein a protective metallic casing (10)  
2 disposed on top of the combustible wrapping encloses the assembly formed by the  
3 wire core (6), the metallic sheath (5), containing the additive, and the combustible  
4 wrapping (7).

1 14. The cored wire according to claim 8, wherein the protective metallic casing (10)  
2 comprises a sheet whose edges are crimped to form a tubular element.

1 15. The cored wire according to claim 8, wherein the combustible wrapping (17) is  
2 formed by a thick sheet applied at the same time as the protective metallic casing (10).